

NOTES

GENERAL NOTES:

1. This vault has been designed for general site conditions. The project engineer shall be responsible for the structure's suitability to the existing site conditions and for the hydraulic evaluation -- including scour and confirmation of soil conditions.
2. Prior to construction, contractor must verify all elevations shown through the engineer.
3. Only CONTECH Stormwater Solutions, the CON/SPAN® approved precaster in California may provide the structure designed in accordance with these plans.

DESIGN DATA

Design Loading:
Vault Units: HS20-44
Design Fill Height: Varies from 2'-0" min to 10'-0" max from top of crown to top of pavement.
Design Method: Load factor per AASHTO Specification
Assumed Allowable Soil Bearing: 3000 PSF *

MATERIALS

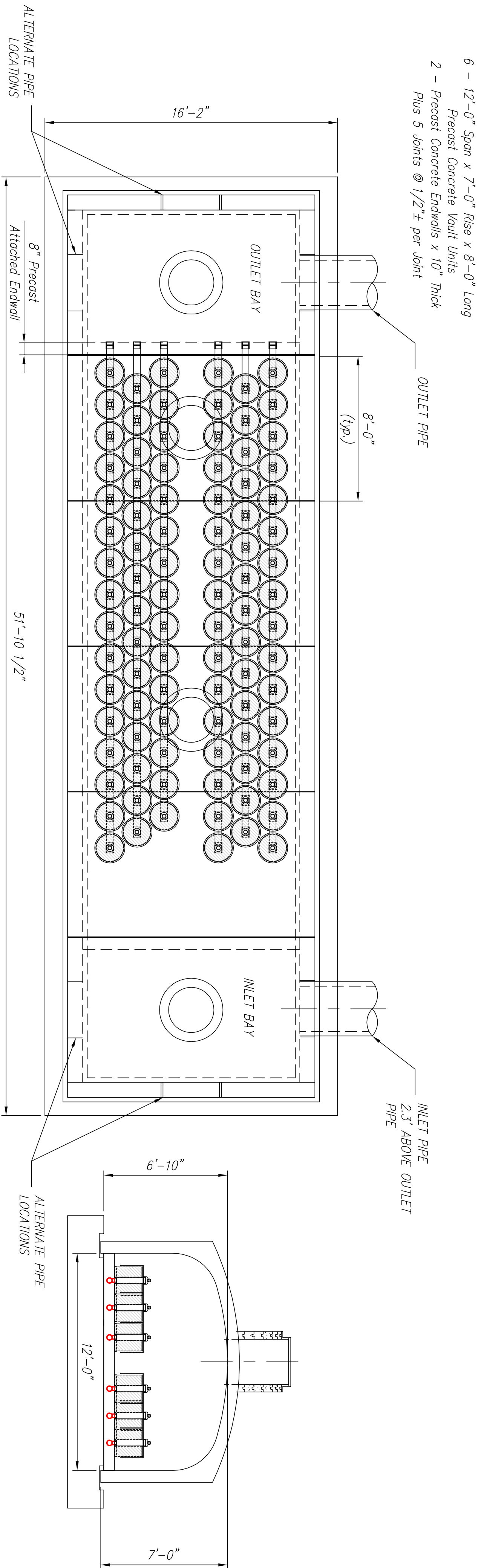
Precast units shall be constructed and installed in accordance with CON/SPAN® Specifications.
Concrete for Footings shall have a minimum compressive strength of 4000 psi. Reinforcing steel for footings shall conform to ASTM 615, A616 or A617-Grade 60.

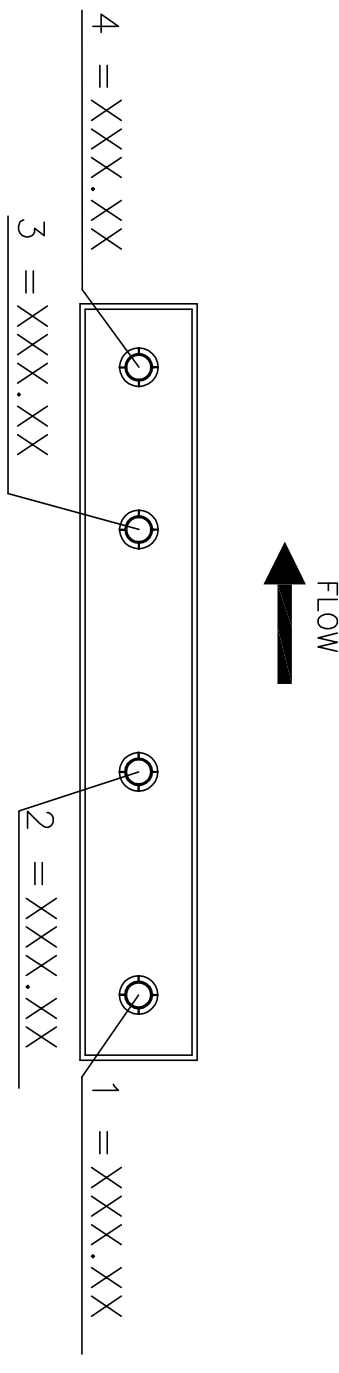
GENERAL NOTES

- A. All pipe/structure connections to be fit with water-tight resilient pipe connector or gasket. Exact blackout size per manufacturer specifications
- B. Dimensions and Elevations to be field adjusted to match finished grade

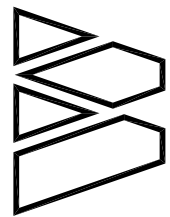
CONCEPTUAL:
NOT FOR CONSTRUCTION

*The information shown on this drawing is preliminary and should be used for budget estimating purposes only. It was prepared before a number of assumptions that need to be verified before a final design can be completed. A change in any of these assumptions could significantly change the size and configuration of the structure including the foundations and therefore significantly change the construction cost of the structure. CON/SPAN Bridge Systems shall not be held liable for changes in the construction cost due to changes in the assumptions on which this drawing was based.



CON/SPAN STORMFILTER™		RIM ELEVATION(S):			
TOTAL SITE AREA (AC)	15.71				
IMPERVIOUS AREA (AC)	15.71				
DESIGN WATER QUALITY FLOW (CFS)	N/A				
# OF CARTRIDGES REQUIRED	95				
MEDIA TYPE	ZPG				
(In-Out)=2.3' Min.	I.E.	MATERIAL	DIAMETER	SPAN (FT)	12
INLET PIPE #1	XXX.XX	XXX	XXX	RISE (FT)	7??
INLET PIPE #2				SECTION LENGTH (FT)	8
OUTLET PIPE	XXX.XX	XXX	XXX	# CON/SPAN SECTIONS	5

NOTES/SPECIAL REQUIREMENTS:



ANDERSON & ASSOCIATES, INC.
Professional Design Services
www.anderssoc.com
Virginia - North Carolina - Tennessee

100 Ardmore St.
Blacksburg, Va. 24060
540-552-5592

DATE : 04 MAY 07
DESIGNED : CONTECH
DRAWN : CONTECH
CHECKED : WTC
QA/QC : WTC

REV. # COMMENTS
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DATE

FIRST & MAIN
PHASE 1
BLACKSBURG, VIRGINIA

GRADING & DRAINAGE
DETAILS 4

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